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(54) Electrical connector assembly

(57) An electrical connector (1000) is provided comprising a female member (100) and a male member (500) configured such that the female member is inhibited from being electrically coupled to the male member if the electrical coupling would reverse the polarity of the electrical connector. The female member may comprise a first (110) and second (120) chamber. The male member may comprise a first (510) and second (520) extension. The

first and second chambers may be configured to insertably accommodate the first and second extensions. The female member may comprise one or more resilient members (300) providing a pressing force to bias at least a portion of a male electrode against at least a portion of a corresponding female electrode. Alternatively, the cover of the male electrode in the first and second extensions may comprise a resilient member.

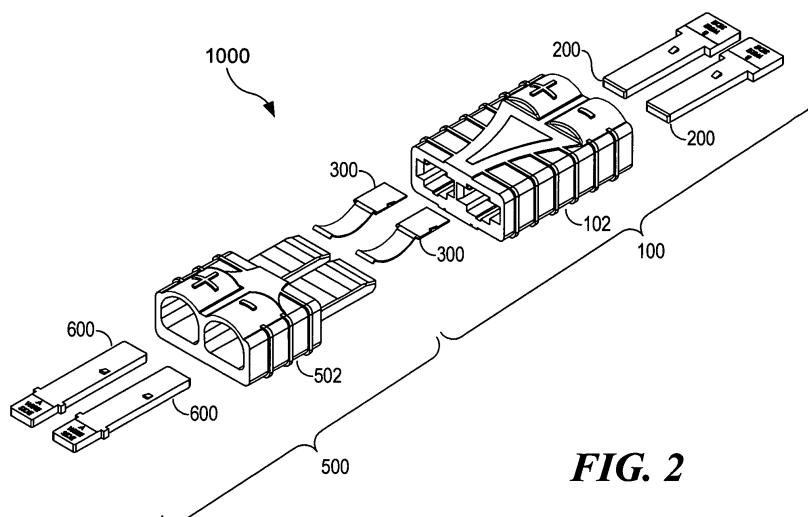


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 07 25 4357

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | CLASSIFICATION OF THE APPLICATION (IPC) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | |
| X | US 4 737 118 A (LOCKARD JOSEPH L [US]) 12 April 1988 (1988-04-12) * figures 6,7 * ----- | 1-4, 7-10, 12-14, 16,18,22 | INV. H01R13/187 H01R13/26 |
| X | US 3 909 099 A (WINKLER EDWARD D) 30 September 1975 (1975-09-30) * figure 1 * ----- | 1,3-4, 7-14,16, 18,22-25 | |
| A | US 2004/127104 A1 (STEFANIU MICHAEL V [US] ET AL) 1 July 2004 (2004-07-01) * paragraph [0025]; figure 7 * ----- | 6,15,19 | |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | H01R |
| The present search report has been drawn up for all claims | | | |
| 1 | Place of search | Date of completion of the search | Examiner |
| | Munich | 17 November 2009 | Langbroek, Arjen |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | | |
| T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|----------------------------------------|----|------------------|-------------------------|------------------|
| US 4737118 | A | 12-04-1988 | NONE | |
| US 3909099 | A | 30-09-1975 | NONE | |
| US 2004127104 | A1 | 01-07-2004 | NONE | |